

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 11ATEX0139 X** Issue Number: **9**

(4) Product: **Industrial Ethernet LAN Switch, RS20, RS22, RS30 and RS32 Series**

(5) Manufacturer: **Hirschmann Automation and Control GmbH**

(6) Address: **Stuttgarter Strasse 45-51, 72654 Neckartenzlingen, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. NL/DEK/ExTR14.0085/04.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018 EN 60079-7 : 2015 + A1 : 2018 EN IEC 60079-15 : 2019

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



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Date of certification: **27 August 2021**

DEKRA Certification B.V.

R. Schuller
Certification Manager

Page 1/3

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 11ATEX0139 X**

Issue No. **9**

(15) **Description**

Industrial Ethernet LAN Switches Series RS20, RS22, RS30 and RS32, for rail mounting and intended for use in industrial automation applications, communicate via electrical or optical interfaces.

Series RS20, RS30

Ambient temperature range: 0 °C to +60 °C (identification mark S);
-40 °C to +70 °C (identification mark T and E)

Series RS22, RS32

Ambient temperature range: 0 °C to +50 °C (identification mark T);
-40 °C to +50 °C (identification mark E)
0 °C to +50 °C (identification mark S)

See Annex 1 to NL/DEK/ExTR14.0085/04 for type designation.

Electrical data

Series RS20, RS30

Supply: 9,6 Vdc to 60 Vdc, 2,1 A to 0,4 A or
18 Vac to 30 Vac, 1,1 A, 50/60 Hz

Series RS22, RS32

Supply: 48 Vdc, 1,7 A

Relay output: max. 60 Vdc / 30 Vac, max. 1 A (resistive load)

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR14.0085/04.

(17) **Specific conditions of use**

1. The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
2. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN IEC 60079-0, taking into account the environmental conditions under which the equipment will be used.
3. Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 11ATEX0139 X**

Issue No. **9**

(18) **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item (9), the listed product series is also in compliance with EN 60079-15 : 2010, as detailed in the report.

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR14.0085/04.